



**1 FIRST FLOOR MECHANICAL PLAN - ENLARGED KITCHEN PLAN**  
Scale: 1/2" = 1'-0"

## MECHANICAL KEYED NOTES

1. NEW 2X2 CEILING JELLY DIFFUSER. PROVIDE NEW SPIN-COLOR, HARD ROUND SPIN-COLOR AND FLEX DUCTWORK. BALANCE TO CFM INDICATED. REFER TO SCHEDULE.
2. NEW 2X2 CEILING SUPPLY DIFFUSER. PROVIDE NEW SPIN-COLOR, HARD ROUND SPIN-COLOR AND FLEX DUCTWORK. BALANCE TO CFM INDICATED. REFER TO SCHEDULE. DO NOT INSTALL FLEX DUCTWORK ABOVE HARD CEILING.
3. PROVIDE GYPOBOARD MOUNTING KIT WHEN LOCATED IN GYPOBOARD CEILING. BALANCE TO CFM INDICATED. REFER TO SCHEDULE.
4. PROVIDE GYPOBOARD MOUNTING KIT WHEN LOCATED IN GYPOBOARD CEILING. BALANCE TO CFM INDICATED. REFER TO SCHEDULE.
5. NEW 2X2 CEILING RETURN GRILLE. PROVIDE GYPOBOARD MOUNTING KIT WHEN LOCATED IN GYPOBOARD CEILING. REFER TO SCHEDULE.
6. NEW THERMOSTAT/SENSOR. PROVIDE NEW CONTROL WIRING. FIELD VERIFY EXACT FINAL LOCATION WITH ARCHITECT PRIOR TO INSTALLATION TO AVOID CONFLICT WITH SHELVING, FURNITURE, ETC.
7. PROVIDE AND INSTALL NEW INLINE MAKEUP AIR FAN/UNIT. COORDINATE EXACT FINAL LOCATION IN FIELD WITH ARCHITECT TO SCHEDULE.
8. PROVIDE AND INSTALL NEW HOT WATER COIL. REFER TO SCHEDULE AND DETAIL. FIELD VERIFY ALL SIZES. COIL TO BE INSTALLED TO MATCH DUCTWORK SIZES. PROVIDE (TURNS), (TRANSITIONS) AS NECESSARY TO MATCH DUCTWORK SIZES.
9. PROVIDE AND INSTALL NEW KITCHEN EXHAUST HOOD WITH INTEGRAL CONTROL(S)/MOTOR STARTER(S). COORDINATE EXACT FINAL LOCATION IN THE FIELD. REFER TO HOOD INFORMATION SHEETS FOR MORE INFORMATION.
10. PROVIDE MAKEUP AIR CONNECTION TO NEW KITCHEN HOOD. BRANCH DUCT SIZES SHALL BE COORDINATED WITH HOOD CULAR SIZES. REFER TO HOOD DETAIL AND INFORMATION SHEETS FOR MORE INFORMATION. PROVIDE MANUAL, BALANCING DAMPER IN EACH DROD.
11. PROVIDE GREASE EXHAUST CONNECTION TO NEW KITCHEN HOOD. BRANCH DUCT SIZES SHALL BE COORDINATED WITH HOOD CULAR SIZES. REFER TO HOOD DETAIL AND INFORMATION SHEETS FOR MORE INFORMATION.
12. NEW GREASE DUCT UP THROUGH FLOORS TO NEW POLLUTION CONTROL. UNIT AND ASSOCIATED FAN. PROVIDE GREASE EXHAUST CONNECTION TO NEW POLLUTION CONTROL. UNIT AND ASSOCIATED FAN. GUIDELINES: SLOPE DUCT TOWARD HOOD.
13. NEW WALL MOUNTED ALUMINUM LOUVER SIMILAR TO GREENECK MODEL ESD-6350E OR APPROVED EQUAL. TO BE INSTALLED AND USED FOR OUTSIDE AIR. PAINT TO MATCH EXTERIOR WALL COLOR OR COORDINATE AS REQUIRED WITH ARCHITECT. PROVIDE COORDINATE EXACT LOCATION OF CONNECTION TO NEW OUTSIDE AIR SUPPLY FAN AS SHOWN. PROVIDE BIODSCREEN AT LOUVER. PROVIDE PLENUM DUCTWORK BEHIND LOUVER TO BE SAME SIZE AS LOUVER. COORDINATE EXACT LOUVER LOCATION AND ALL WORK TO MATCH EXISTING PROJECT SCHEDULE.
14. PROVIDE AND INSTALL PULL STATION FOR HOOD SUPPRESSION SYSTEM. COORDINATE LOCATION IN FIELD WITH ARCHITECT AND KITCHEN EQUIPMENT PRIOR TO INSTALLATION.
15. ROUTE NEW CHILLED/HEAT WATER PIPING HIGH TO STRUCTURE. FIELD VERIFY ALL ROUTING OF PIPING. PROVIDE (TURNS), (TRANSITIONS) AS NECESSARY TO MATCH CONNECTION(S).
16. PROVIDE NEW FIRE DAMPER AS SHOWN. PROVIDE NEW FIRE SEALING AND FIRE CALK/SEAL. AROUND ALL PIPING. REFER TO THE PROJECT SCHEDULE FOR ALL SIZES. ALL FIRE DAMPERS INSTALLED IN NEW DUCTS TO MATCH NEW DUCTWORK SIZES.
17. PROVIDE AND INSTALL NEW AIR CURTAIN SYSTEM TO MARS MODEL H24A-112/UA-120 OR APPROVED EQUAL. UNIT TO BE CONTROLLED BY DOOR TYPE MICRO SWITCH FOR AUTOMATIC ON/OFF OPERATION.

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**MECHANICAL GENERAL NOTES**

- 1 ALL DUCT SIZES SHOWN ARE INSIDE CLEAR, INCREASE ACCORDINGLY WHERE INTERIOR LINER IS SHOWN  
OR SPECIFIED.
- 2 COORDINATE IN THE FIELD THE EXACT LOCATION OF ALL CEILING MOUNTED GRILLES AND DIFFUSERS  
WITH LIGHT FIXTURES AND (ARCHITECTS) REFLECTED CEILING PLANS.
- 3 CONTRACTOR TO PROPERLY SEAL ALL NEW OR MODIFIED DUCTWORK.
- 4 WORK PRIME LATE MISCELLANEOUS ACCESSORIES AND FITTINGS UNLESS GALVANIZED OR  
STAINLESS STEEL, ALL EXTERIOR BRACKETS, CLAMPS, AND HANGERS SHALL BE HOT DIPPED  
GALVANIZED. COAT ALL CUT ENDS AND WELDS WITH "ZRC" COAT GALVANIZING COMPOUND.
- 5 FIELD COORDINATE WITH STRUCTURAL, OFFSET AND TRANSITION DUCTWORK AS REQUIRED.
- 6 PROVIDE PROTECTION FROM OVERSTRESSING OF ALL DUCTS. IT IS NECESSARILY REFLECT ACTUAL  
DIMENSIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD-VERIFY ALL DIMENSIONS AND  
COORDINATE PLACEMENT OF ALL EQUIPMENT AND ROUTING OF ALL PIPING AND DUCT SYSTEMS.
- 7 ALL CONSTRUCTION IS TO CONFORM TO MORE STRINGENT OF PLAN, SPECIFICATION REQUIREMENTS  
AND/OR CODES. PROVIDE CONSTRUCTION TO MEET ALL APPLICABLE STANDARDS AS A MINIMUM WHERE NO  
OTHER SPECIFICATIONS OR CODE REQUIREMENTS APPLY.
- 8 RETURN AIR IS THROUGH RETURN GRILLES AND BACK THROUGH RETURN AIR OPENINGS TO THE  
MECHANICAL ROOM. CONTRACTOR TO MAINTAIN RETURN AIR PATH. PROVIDE OPENINGS OR RETURN  
AIR AS REQUIRED.
- 9 ALL DUCTWORK IS 15 FEET DOWNSTREAM OF AHU/S AND 10 FEET DOWNSTREAM OF FFP'S TO BE PROVIDED  
WITH KNAUF PERFORMANCE+ INTERNAL LINER OR APPROVED EQUIV.
- 10 ALL TRANSFER AIR DUCTS/BOOTS TO BE PROVIDED WITH INTERNAL LINING.
- 11 PROVIDE RETURN AIR BOOTS ON ALL RETURN GRILLES FOR OFFICES, CONFERENCE ROOMS, ETC ON 4TH  
FLOOR.